Save, Add, and Run Model in a New Map Project

One of the main advantages of creating models is to simplify repetitive tasks.

Repetitive tasks are simplified by setting the parameters to a tool within a model and then applying the model to new datasets that require the same process, for example reprojecting.

Two ways to use a model you've created are to add the new dataset to the map project or save your altered ArcToolbox and add it to a new map project.

In this production we will go through the steps to save your ArcToolbox settings as an independent file.

Then the new ArcToolbox configuration containing the new model can be added to any map project.

I've created a new model to reproject layers from IDTM to State Plane, which resides in a new toolbox I created – IDTM to SP.

To save the new ArcToolbox configurations go to ArcToolbox at the top of the TOC.

Right-click the toolbox, hover the cursor over Save Settings.

The drop down that appears gives you two choices; To File and To Default.

The choice To File allows you to save an independent xml file which can be loaded to any opened ArcToolbox in a new map project.

The choice To Default overwrites the ArcToolbox default settings and the saved changes will appear anytime ArcToolbox is opened in a new map project.

In this example I'll choose To File

A reason to choose To File would be to avoid cluttering your default ArcToolbox TOC.

Browse to the location you want to save your file and then type in a name for the xml file.

Click Save.

Now I'll open a new map project that doesn't contain the re-projection model.

Right-click ArcToolbox again and from the drop down move to Load settings and then From File.

Browse to the folder where the xml file was saved and choose it and then Open.

The ArcToolbox TOC will expand to include the re-projection toolbox.

Now open the model by right-clicking on it and choosing edit.

As we see the model contains the input and output filenames from our original project.

Right-click the model and choose open.

The model dialog will open.

In this dialog a new input file from the map project and an output file can be selected.

Click OK to run the model.

This concludes *Save, Add, and Run Model in a New Map Project*.

Watch *Creating a Model to Project from IDTM to State Plane*.